

Gulf of Mexico Harmful Algal Bloom Bulletin

30 April 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: April 26, 2007

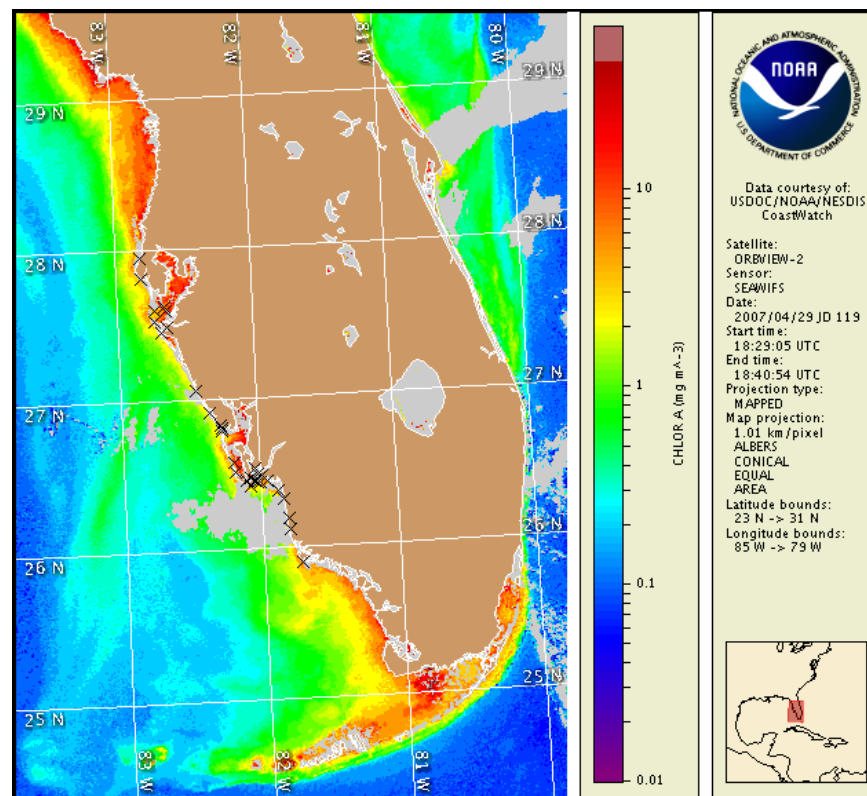
Conditions Report

There is no indication of harmful algal bloom presence alongshore of Southwest Florida, including the Keys region, at the present time. No impacts are expected in any Florida County today through Wednesday.

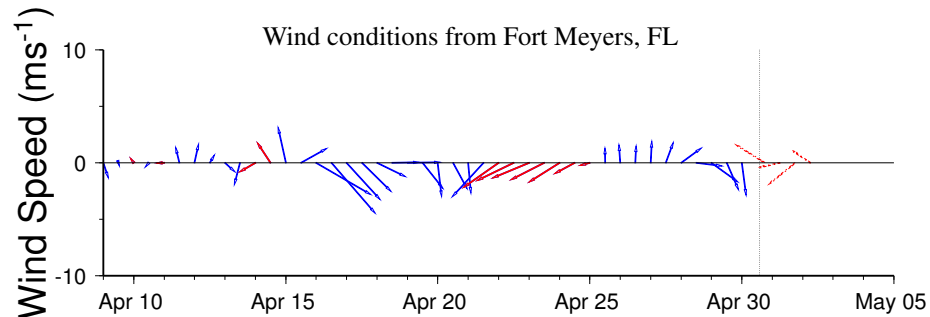
Analysis

No recent samples taken alongshore of southwest Florida or in the Lower Florida Keys have contained *Karenia brevis* above background levels (FWRI, MML). Satellite imagery from April 29 shows an elevated-chlorophyll feature with chlorophyll concentrations greater than 3 $\mu\text{g/L}$ south of Cape Romano at 25°41'N 81°40'W. Sampling is recommended. Negligible alongshore transport is expected in southwest Florida through Wednesday due to variable, weak winds.

Bronder, Keller



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 20-25 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

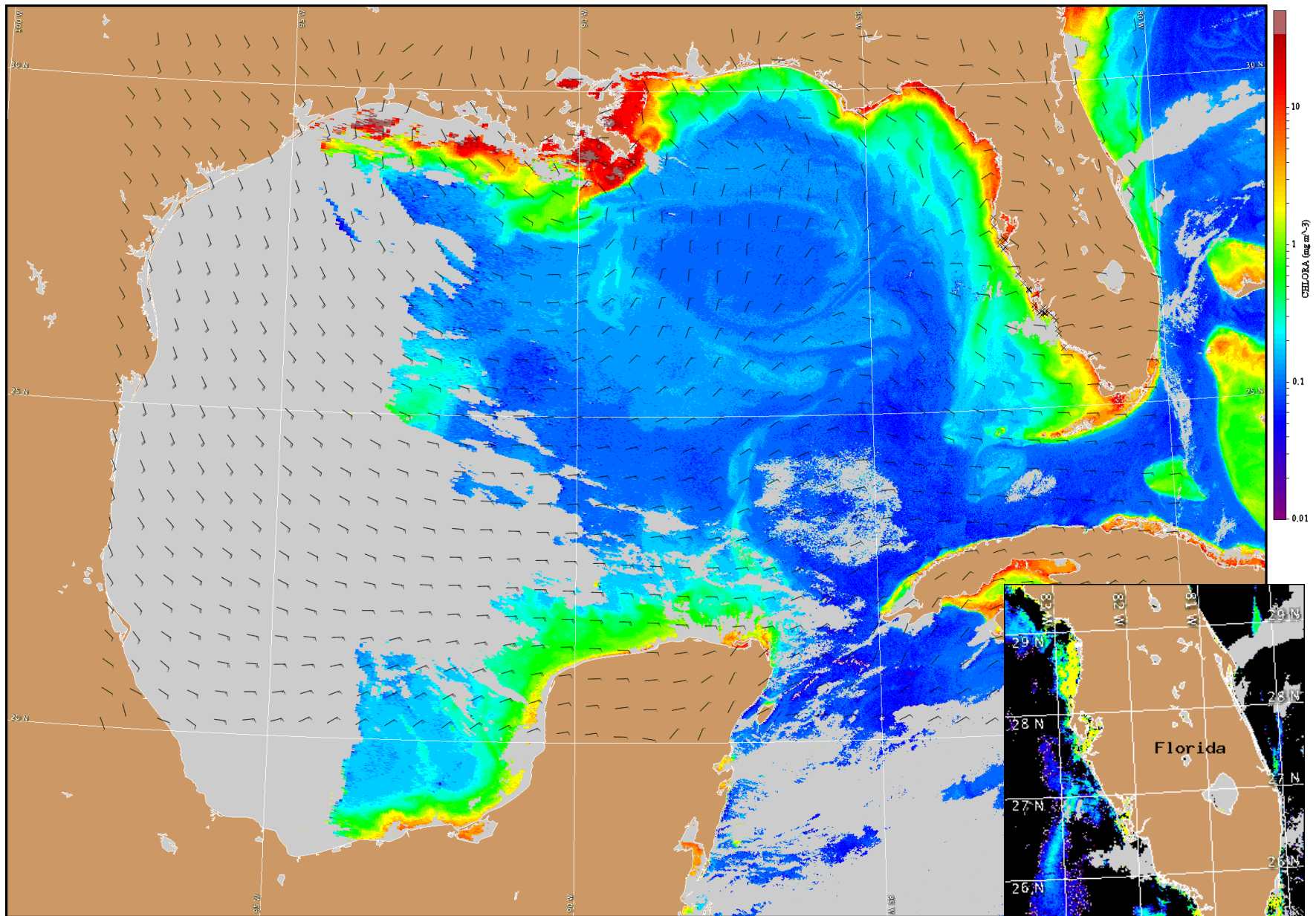


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Winds will be northeast becoming west in the afternoon (10 kts, 5 m/s) today, southeast becoming west in the afternoon (5 kts, 3 m/s) tomorrow and Wednesday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for May 1, 2007 06Z with cell concentration sampling data from April 20-25 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).